Oracle Utilities Operational Device Management Integration to Oracle Utilities Meter Data Management

Release Notes

Release 23A

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Contents

Preface

Welcome to the Oracle Utilities Operational Device Management Integration to Oracle Utilities Meter Data Management Release Notes.

This preface includes the following:

- Audience
- Documentation and Resources
- Updates to Documentation
- Documentation Accessibility
- Conventions
- Acronyms

Audience

This document is intended for anyone implementing the Oracle Utilities Operational Device Management Integration to Oracle Utilities Meter Data Management.

Documentation and Resources

For more information regarding this integration, foundation technology and the edge applications, refer to the following documents:

Product Documentation

Resource	Location
Oracle Utilities Operational Device Management Integration to Oracle Utilities Meter Data Management documentation	https://docs.oracle.com/en/industries/utilities/index.html
Oracle Integration Cloud Service documentation	https://docs.oracle.com/en/clod/paas/integration-cloud-um/index.html

Additional Documentation

Resource	Location
Oracle Support	Visit My Oracle Support at https://support.oracle.com regularly to stay informed about updates and patches. Access the support site for the Edge Application Certification Matrix for Oracle Utilities products (Doc ID 1454143.1).
Oracle Technology Network (OTN) Latest versions of documents	http://www.oracle.com/technetwork/index.html
Oracle University for training opportunities	http://education.oracle.com/

Updates to Documentation

The complete Oracle Utilities Operational Device Management Integration to Oracle Utilities Meter Data Management documentation set is available from Oracle Help Center at https://docs.oracle.com/en/industries/utilities/index.html.

Visit My Oracle Support for additional and updated information about the product.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support for the hearing impaired. Visit: http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Acronyms

The following terms are used in this document:

Term	Expanded Form
ODM	Oracle Utilities Operational Device Management
MDM	Oracle Utilities Meter Data Management
C2M	Oracle Utilities Customer to Meter
ICS	Integration Cloud Service
OIC	Oracle Integration Cloud
MO	Maintenance Object
BO	Business Object
BPS	Business Process Script
IWS	Inbound Web Service

Chapter 1

Release Notes

This release notes outlines the information about new and improved functionality in integrating Oracle Utilities Operational Device Management with Oracle Utilities Meter Data Management (Release 23A). Each section includes a brief description of the feature, the steps to enable or start using the feature, and any tips or considerations to consider.

The release notes focuses on the following:

- Integration Overview
- Supported Applications
- About Oracle Utilities Operational Device Management
- About Oracle Utilities Meter Data Management
- About Oracle Integration Cloud
- New Features Summary
- Known Issues

Integration Overview

This integration enables implementations to connect Oracle Utilities Operational Device Management (ODM) and Oracle Utilities Meter Data Management (MDM) applications with efficient data synchronization to optimize how utilities deploy, maintain, govern, operate, collect and process data from their automated infrastructure throughout the full asset lifecycle.

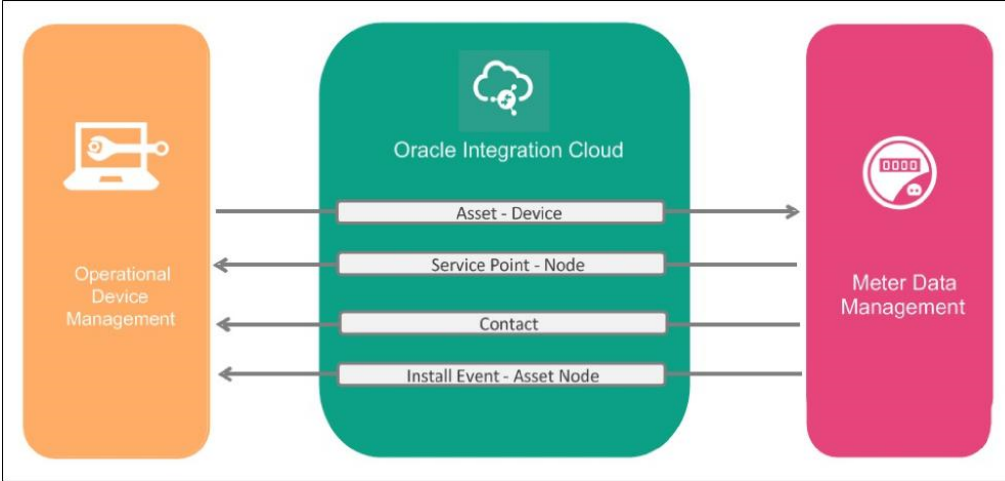The integration benefits our utilities customers by:

- Allowing them to efficiently manage their smart grid infrastructure from the meter components and communication networks, with different versions of firmware software, to ensure compatibility and reliability of grid operations.

- Tracking device locations and operations at all times from receiving into inventory, testing, and installation, removing, or exchanging at service point locations for strict security and control.

- Eliminating the need to build and maintain integration in-house, lowering the Total Cost of Ownership of Smart Grid deployments.

This integration supports the following business processes:

- Asset - Device Synchronization

- Service Point - Node Synchronization

- Contact Synchronization

- Install Event - Asset Node Synchronization

    Note: Only the Asset - Device Synchronization flow is initiated from Oracle Utilities Operational Device Management.

The following diagram provides a visual representation of this processing:

In this integration, Oracle Integration Cloud is used as a middleware to connect the applications.

Supported Applications

This integration supports a combination of cloud and on-premises applications.

The following is a list of supported applications. You may choose any of these based on your requirements:

- Oracle Integration Cloud (OIC) v22.1.3 or later

- Oracle Utilities Operational Device Management v2.4.0.0 or later

- Oracle Utilities Meter Data Management v2.5.0.1/ Oracle Utilities Customer To Meter v2.9.0.1 or later

- Work and Asset Cloud Service (WACS) 22C or later

- Operational Device Cloud Service (ODCS) 22C or later

- Meter Solutions Cloud Service (MSCS) 22C or later

About Oracle Utilities Operational Device Management

Oracle Utilities Operational Device Management maintains information about assets and features and functions around managing those assets. The solution provides a means of recording asset acquisition, maintenance, procurement, installation and removal.

Oracle Utilities Operational Device Management provides functionality to manage the receipt, installation, maintenance, tracking and removal of assets. The application also manages approval processing, tracks purchasing transactions, manages inventory and resources, and tracks costs, accounting and financial transactions.

About Oracle Utilities Meter Data Management

Oracle Utilities Meter Data Management is built on time-based, self-learning, and predictive technology, empowering to solve business problems while evolving the field service organization. It has various modules to choose, such as forecasting, routing, capacity, mobility, collaboration, core manage, smart location, customer communication, and more. It leverages the performance pattern profiles to create optimal daily routes and schedules and continues to learn as employee work patterns change over time.

About Oracle Integration Cloud

Oracle Integration Cloud is a unified platform to integrate the applications, automate processes, and create applications.

Using Process Builder the business processes can be rapidly designed, automated, and managed in the cloud. Using integrations connect the applications into a continuous business flow. The integrations can be quickly developed and activated between both the applications that live in the cloud; and the applications still live on premises. The lookups help to match application specific codes between the two applications.

Integration Insights and Stream Analytics helps to simplify and extract business metrics and create custom dashboards.

New Features Summary

For a list of existing features, refer to the *Oracle Utilities Integration Guides* documentation at:

https://docs.oracle.com/en/industries/energy-water/integrations-index.html

The following enhancements are included in this integration:

- **Asset - Device Synchronization**: This process synchronizes the device details required by Oracle Utilities Meter Data Management from Oracle Utilities Operational Device Management.

- **Service Point - Node Synchronization**: This process synchronizes node/location details required by Oracle Utilities Operational Device Management from a service point in Oracle Utilities Meter Data Management.

- **Contact Synchronization**: This process synchronizes the contact details needed by Oracle Utilities Operational Device Management from Oracle Utilities Meter Data Management.

- **Install Event - Asset Node Synchronization**: This process synchronizes asset node details required by Oracle Utilities Operational Device Management from install event in Oracle Utilities Meter Data Management.

Known Issues

This table lists the known issues in the integration.

Bug Number	Description
35241345	ODM-MDM DateTime fields do not come in XSD format
35091152	MDM Install Event Outbound Message Rollbacks due to XSD DateTime